

Claims

human or animal body comprising implanting of a device of any one of claims 1 to 7 into a site where such treatment, prophylaxis or tissue healing is required.

11. A process for the production of a device of any one of claims 1 to 7 comprising
5 coating the device with the ethylene carbonate polymer.

12. Use of a biodegradable polymer, comprising ethylene carbonate units of the formula
A

-(-C(O)-O-CH₂-CH₂-O-)- A

10 having an ethylene carbonate content of 70 to 100 Mol%, an intrinsic viscosity of 0.4 to 4.0 dl/g measured in chloroform at 20°C at a concentration of 1 g/dl and a glass transition temperature of from 5 to 50°C, degradable by surface erosion which is governed by a non-hydrolytic mechanism for the coating of a device.

15 13. Use of a biodegradable polymer, comprising ethylene carbonate units of the formula
A

-(-C(O)-O-CH₂-CH₂-O-)- A

20 having an ethylene carbonate content of 70 to 100 Mol%, an intrinsic viscosity of 0.4 to 4.0 dl/g measured in chloroform at 20°C at a concentration of 1 g/dl and a glass transition temperature of from 5 to 50°C, degradable by surface erosion which is governed by a non-hydrolytic mechanism for the manufacturing of a device for treating or preventing neointimal proliferation and thickening, restenosis, vascular occlusion following vascular injury and/or for promoting tissue healing.